

After-sales Service

Instructions

Only for use within the Bosch organization. Not to be communicated to any third party.

Testing

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VDT-W-420/1001 B
Ed. 2
replaces VDT-WPP 211/5X

EP/RSV/... EP/RSU(V)... EP/RSV... Governors for Fuel-Injection Pumps

List of Test Specification Sheets

Notes

Testing of governor EP/RSV is described in the first supplement of VDT-WPP 001/4 B.

The graduated disc of the setting device 0.631 440 006 (EFEP 56 C) is to be set at that value specified for the relevant governor size when the control lever is in the vertical position.

The values in column 3 (with auxiliary springs) can only be reached insofar as the set full-load stop allows. Therefore the travel of the control rod can only be measured from the full-load position downwards.

For example, full load delivery is obtained when the control rod travels 10 mm; at the specified speeds only control rod travel from 10 to 0 mm can be measured.

If the indicated values are not obtained, the replacement parts list should be consulted to ascertain whether the correct governor spring, flyweight assembly and - on the EP/RSUV - gear wheels are fitted.

The recently introduced EP/RSV governors, A and B versions, are tested as the previous types.

Example:
EP/RSV 253... 253 A 4.310 will be tested as EP/RSV 253... 253 A or B and vice versa.

The following table contains the test specifications subdivided according to governor size and arranged in order of test.

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The test specifications are subdivided according to governor size and arranged in order of speed

Governor type	Basic setting	Speed range	Idle speed	Test specification or microfiche		
				VDT-WPP..	WP..	Position
<p>EP/RSV.. A.. (for pump size A)</p> <p>EP/RSV.. A ^A/_B 1.. without stop lever as from 301.. with stop lever as from 1001.. without stop lever</p> <p>EP/RSV.. A 0 ^A/_B = Particular combination of spring and flyweight</p>	<p>Control lever vertical</p> <p>Scale 40°</p>	<p>EP/RSV.. A 1 ^A/_B</p> <p>2 200...1350 3 250...1750 4 500...3400</p> <p>5 200...1200 6 250...1600 7 500...3000</p> <p>8 200...1100 9 250...1500 0 500...2900</p> <p>Special type</p>	<p>200 225 250 275 300 325 350 375 400 425 450 500 575 600 650 675 700 1000</p>	<p>211/5-1.. 211/5-12 211/5-12 211/5-43 211/5-44 211/5-64 211/5-67 211/5-72 211/5-78 211/5-82 211/5-83 211/5-85 211/5-87 211/5-89 211/5-90 211/5-91 211/5-92 211/5-93</p>	<p>452</p>	<p>A 5-B 4 B 4-B 6 B 6-D 18 D 19 D 20-F 12 F 13-F 20 F 20-G 4 G 5-G 15 G 16-G 22 G 23 H 1-H 3 H 4-H 7 H 8-H 9 H 10-H 12 H 13 H 14 H 15 H 16</p>
<p>EP/RSV.. B.. (for pump size B)</p> <p>EP/RSV.. B ^A/_B 1.. without stop lever as from 301.. with stop lever</p> <p>EP/RSV.. B 0 ^A/_B = Particular combination of spring and flyweight</p>	<p>Control lever vertical</p> <p>Scale 40°</p>	<p>EP/RSV.. B 1 ^A/_B</p> <p>2 200...1300 3 250...1750 4 500...3400</p> <p>5 200...1150 6 250...1600 7 500...3000</p> <p>8 200...1050 9 250...1500 0 500...2900</p> <p>Special type</p>	<p>200 225 250 300 350 400 500 600</p>	<p>211/5-100.. 211/5-104 211/5-106 211/5-112 211/5-114 211/5-115 211/5-116 211/5-117</p>	<p>452</p>	<p>I 1-I 8 I 9, I 10 I 11-I 22 I 23-I 24 K 1 K 2 K 3 K 4</p>
<p>EP/RSV.. M.. /.. (for pump size M; original type)</p> <p>EP/RSV.. M.. /1..</p>	<p>Control lever vertical</p> <p>Scale 30°</p>	<p>EP/RSV.. M 1/1</p> <p>2 250...1750 3 350...2200 4 500...3100</p> <p>5 250...1550 6 350...2100 7 500...3000</p> <p>8 250...1350 9 350...1900 0 500...2650</p>	<p>250 275 300 350 375 400 700</p>	<p>211/5-120.. 211/5-123 211/5-124 211/5-125 211/5-126 211/5-127 211/5-128</p>	<p>453</p>	<p>A 5-A 9 A 10 A 11 A 12 A 13 A 14 A 15</p>
<p>EP/RSV.. M ^A/_B .. (for pump size M ^A/_B ..)</p> <p>EP/RSV.. M ^A/_B 101.. without stop lever as from 301.. with stop lever</p> <p>EP/RSV.. M 0 ^A/_B = Particular combination of spring and flyweight</p>	<p>Control lever vertical</p> <p>Scale 40°</p>	<p>EP/RSV.. M 1 ^A/_B</p> <p>2 200...1350 3 250...1750 4 500...3400</p> <p>5 200...1250 6 250...1600 7 500...3000</p> <p>8 200...1100 9 250...1550 0 500...2900</p> <p>Special type</p>	<p>250 275 300 350 375 400 500 575</p>	<p>211/5-129.. 211/5-133 211/5-134 211/5-137 211/5-139 211/5-139 211/5-140 211/5-140</p>	<p>453</p>	<p>A 16-A 23 B 1, B 2 B 3-B 7 B 8-B 11 B 12 B 12, B 13 B 14 B 15</p>
<p>EP/RSV.. P.. (for pump size P)</p> <p>EP/RSV.. P.. /1.. without stop lever as from 301.. with stop lever as from 800.. with shutoff device working directly on the control rod</p> <p>EP/RSV.. P 0/.. = Particular combination of spring and flyweight</p>	<p>Control lever vertical</p> <p>Scale 40°</p>	<p>Speed range as for EP/RSV.. A</p>	<p>200 250 300 350 400</p>	<p>211/5-150.. 211/5-152 211/5-155 211/5-161 211/5-164</p>	<p>453</p>	<p>C 1-C 4 C 5-C 10 C 11-C 21 D 1-D 6 D 7, D 8</p>
<p>EP/RSUV.. A.. with gearbox for pump size A</p> <p>EP/RSUV.. A ^A/_B 1.. without stop lever A 301.. with stop lever</p> <p>EP/RSUV.. A 0 A = Particular combination of spring and flyweight</p>	<p>Control lever vertical</p> <p>Scale 40°</p>	<p>EP/RSUV.. A 1/..</p> <p>2/.. 65...445 3/.. 95...660 0/.. 135...930</p> <p>Special type</p>	<p>200 250</p>	<p>211/6-1 211/6-1</p>	<p>453</p>	<p>E 1 E 1</p>

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Governor type	Basic setting	Speed range	Idle speed	Test specification or microfiche			
				VDT-WPP..	WP..	Position	
EP/RSUV.. B (BV) .. with gearbox for pump size B, BV	Control lever vertical Scale 35°	EP/RSUV.. B 1 A ..	70 ... 420	70	211/6-10	453	E 2
		2	90 ... 510	90	211/6-10		E 3
		3	110 ... 610	150	211/6-11		E 4, E 5
EP/RSUV.. A 1 .. without stop lever		4	150 ... 780	175	211/6-12		E 6, E 7
A 301 .. with stop lever		5	175 ... 900	200	211/6-13		E 8-E 11
EP/RSUV.. B 0 A .. = particular combination of spring and flyweight		6	70 ... 420	225	211/6-15		E 12
		7	90 ... 510	250	211/6-15		E 12-E 17
		8	110 ... 610	300	211/6-18		E 18-E 21
		9	150 ... 780				
		10	175 ... 900				
		0	Special type				
EP/RSUV.. P .. with gearbox for pump size P	Control lever vertical Scale 35°	EP/RSUV.. P ..		150	211/6-25	453	F 1
EP/RSUV.. P 1-10/1 .. without stop lever			Speed range as for EP/RSUV.. B ..	200	211/6-25		F 1
/301 .. with stop lever				225	211/6-26		F 2, F 3
EP/RSUV.. P 0 .. = particular combination of spring and flyweight				250	211/6-27		F 4-F 8
				300	211/6-30		F 9-F 13
			325	211/6-33		F 14	
			350	211/6-33		F 14	
EP/RSUV.. Z(ZV) .. with gearbox for pump size Z, ZV	Control lever vertical Scale 40° Scale 35° Scale 35°	EP/RSUV Z .. 1/ ..	100 ... 465	EP/RSUV.. Z(ZV) ..			
ZW ..		2	150 ... 610	50	211/6-35	453	G 1
		3	200 ... 770	100	211/6-41		G 7, G 8
EP/RSUV.. Z(ZW) 1/ ..		4	250 ... 1050	125	211/6-41		G 8
2		5	400 ... 1500	150	211/6-35		G 1, G 2
3		6	150 ... 650	165	211/6-36		G 3
4		21	85 ... 360	200	211/6-41		G 8
5		22	105 ... 440	225	211/6-36		G 4
6		23	125 ... 520	EP/RSUV.. ZW(M) ..			
		24	150 ... 650	100	211/6-40	453	G 5
	25	175 ... 750	150	211/6-40		G 5, G 6	
	26	225 ... 900	180	211/6-41		G 8	
	31	85 ... 360	200	211/6-40		G 5	
	32	105 ... 440	250	211/6-40		G 6	
	33	125 ... 520					
	34	150 ... 650					
	35	175 ... 750					
	36	225 ... 900					
EP/RS.. A .. Maximum/minimum speed governor for pump size A	Control lever vertical Scale 40°			200	211/6-50	453	I 1
EP/RS.. / .. A /1 .. without stop lever				250	211/6-51		I 2, I 3
A .. A 1 .. without stop lever				275	211/6-52		I 4
A .. B 1 .. without stop lever				325	211/6-53		I 5
A .. B 301 .. with stop lever				500	211/6-54		I 6
EP/RS.. / .. A 0 .. = particular combination of spring and flyweight							
Control lever deflection of at least 75° must be reached							
EP/RSU.. BV(M) .. Maximum/minimum speed governor for pump size BV with stop lever and gearbox	Control lever vertical Scale 35°				211/6-45	453	H 1

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